

REMARKS

The claims are rejected on the basis of MANN (U.S. Patent 6,009,270). Reconsideration of the rejection is respectfully solicited in view of the foregoing amendments and the following remarks.

Applicant continues to disagree with the Examiner's characterization of the scope of teachings in MANN, but to expedite prosecution of this application, applicant has amended, without prejudice, the independent claims to more fully distinguish over MANN.

As an initial matter, applicant notes the Examiner's comments with respect to multiple trace registers. The source of the claimed information is less significant than the information that is actually processed in accordance with the invention. Accordingly, applicant has amended the claims to eliminate reference to trace control registers. Instead, applicant now recites "specified information", which includes information about a current process being executed by the multi-tasking embedded processor. Support for a reference to a multi-tasking system is found in paragraph [1117], among other places. MANN fails to show or suggest the discrimination of a current process within a multi-tasking embedded processor.

Independent claim 1 is further amended to recite that the specified information includes the identification of an operating mode "selected from a kernel mode, a supervisor mode, a user mode and a debug mode". Support for this limitation is found in paragraph [1142] among other places. MANN fails to show or suggest the specification of an operating mode "selected from a kernel mode, a supervisor mode, a user mode and a debug mode".

Thus, in view of the foregoing amendments, claim 1 clearly distinguishes over MANN and therefore should be in a condition for allowance. Claims 2-5 are dependent upon claim 1 and therefore should also be in a condition for allowance. Claim 6 is amended to follow the form of claim 5, but recite on-chip trace memory. Support for this amendment is found in paragraph [1122]. Claims 7-8 are canceled with this amendment to eliminate reference to the trace control register. Claim 9 is canceled herewith to simplify prosecution issues.

Claim 13 is amended to include limitations of the type discussed in connection with claim 1. Therefore, claim 13 and its dependent claims 16-18 should also be in a condition for allowance. Claims 14-15 are canceled herewith, as their limitations now form a part of claim 13.

Independent claims 19, 20, and 21 are amended to include limitations of the type discussed in connection with claim 1 and therefore should be in a condition for allowance.

Claim 22 is dependent upon claim 21 and therefore should also be in a condition for allowance.

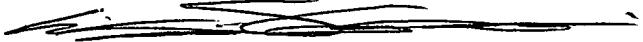
In view of the foregoing amendments and remarks, all claims should now be in a condition for allowance. If there are any residual matters that can be resolved through a telephone call, then the Examiner is requested to contact the undersigned.

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